

Additional Nominations for Consideration for 13th ROC

Substance	Properties and Use	Nominated by	Rationale	Comment
polyacrylates	These materials are widely used in manufacture of absorbing gel materials (diapers), cosmetics, agricultural products, thickening agents, household products, etc.	OSHA	While the limited public data is favorable there have been contract studies that suggest polyacrylates (including carbopols and pemulens) are tumorigenic in rats, unknown for humans. There were also brain lesions seen in higher dose studies.	While the polymers themselves are too large to be problems for consumers the dust created in occupational settings can be highly inflammogenic and possibly tumorigenic. The EPA had been looking into these as well and at least at one time was quite concerned. IARC had considered looking into polyacrylates at one time but the published data is very limited.
diethanolamine	Component and unwanted contaminant in metalworking fluids, personal care products	OSHA	Carcinogenic by skin application in NTP bioassay, listed in IARC monograph 101 [2B], epidemiologic evidence for cancer in workers exposed to MWF	Skin absorption producing remote site tumors is unusual route and degree,
Coconut diethanolamide	Component in personal care	OSHA	Carcinogenic by skin application in NTP bioassay, listed in IARC monograph 101 [2B], epidemiologic	Skin absorption producing remote site tumors is unusual route and degree

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	products, metalworking fluids		evidence for cancer in workers exposed to MWF	
Methyl isobutyl ketone	Common in mixed industrial solvents	OSHA	Carcinogenic by inhalation in NTP bioassay, listed in IARC monograph 101 [2B]	Both genders of mice supported by evidence in male rats
N propyl bromide	Increasing use as degreasing agent and solvent as substitute for chlorinated solvents	OSHA	Carcinogenic by inhalation in NTP bioassay	Rare tumors in rats, two genders in mice
Other unlisted agents in monograph 101				
Butoxyethanol	Industrial solvent, component in cleaning products and dispersants	OSHA	Carcinogenic in NTP bioassay	Significant increase of pheochromocytomas in rats supports increases in both genders of mice
Tetralin	Industrial solvent	OSHA	Carcinogenic in NTP bioassay	Increases in both genders of rats supported by equivocal evidence in mice, non tumor pathology at lowest dose tested
Decalin	Industrial solvent	OSHA	Carcinogenic in NTP bioassay	Clear evidence in male rats supported by equivocal evidence in

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				female mice
nickel nanoparticles		OSHA	Recent report finds that nanoparticles of nickel activate a cellular pathway that contributes to cancer in human lung cells. http://www.sciencedaily.com/releases/2011/08/110823115404.htm	